This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Previously Presented) A method for providing and processing a cursored user interaction with a spatially displayed medical image and performing image processing on said medical image, said method comprises the steps of:

    providing a menu-less graphical interface having a plurality of sensitive areas, each sensitive area is positioned at a predetermined, fixed relative position with respect to an associated medical image display field and with respect to at least one additional sensitive area, wherein each of the plurality of sensitive areas corresponds to at least one function and is associated with one of a plurality of different cursors providing a visual cue as to the at least one function corresponding to each of the plurality of sensitive areas; and

    controlling a mouse configured such that positionings of said mouse within each of said plurality of sensitive areas causes display of one of the plurality of different cursors and allows activation and control of a plurality of inherent processing functionalities for performing the at least one function respectively associated with each of said plurality of sensitive areas.

2.   (Original) A method as claimed in Claim 1, for selecting grey range and/or color range windowing through geometrical mouse positioning.

- 2 -

3.   (Original) A method as claimed in Claim 1, for selecting image mirror or rotation transformations.

4.   (Original) A method as claimed in Claim 1, for selecting image zoom or pan transformations.

5.   (Original) A method as claimed in Claim 1, for selecting shutter masking of the display field.

6.   (Previously Presented) A method as claimed in Claim 1, for selectably navigating through a sequence of images that base on marginal stepping with respect to an imaged object.

7.   (Previously Presented) An apparatus for providing and processing cursored user interactions with a spatially displayed medical image and producing graphics related data on said medical image, said apparatus comprises:

a menu-less graphical interface having a plurality of sensitive areas, each sensitive area is positioned at a predetermined, fixed relative position with respect to an associated medical image display field and with respect to at least one additional sensitive area, wherein each of the plurality of sensitive areas corresponds to at least one function and is associated with one of a plurality of different cursors providing a visual cue as to the at least one function corresponding to each of the plurality of sensitive areas;

a mouse configured such that positionings of said mouse within each of said plurality of sensitive areas causes display of one of the plurality of different cursors

- 3 -

and allows activation and control of a plurality of inherent processing functionalities for

performing the at least one function respectively associated with each of said plurality of

sensitive areas; and

display means dimensioned for displaying said medical image and said

menu-less graphical interface.

8.   (Original) An apparatus as claimed in Claim 7, and having selection means

for selecting grey range and/or color range windowing through geometrical mouse

positioning.

9.   (Original) An apparatus as claimed in Claim 7, and having selection means

for selecting image mirror or rotation transformations.

10.   (Original) An apparatus as claimed in Claim 7, and having selection means

for selecting image zoom or pan transformations.

11.   (Original) An apparatus as claimed in Claim 7, and having selection means

for selecting edged shutter masking of the display field.

12.   (Previously Presented) An apparatus as claimed in Claim 8, and having

navigation means for selectably navigating through a sequence of images that base on

marginal stepping with respect to an imaged object.

13.   (Previously Presented) A machine-readable computer program, said

program being arranged for providing and processing a cursored user interaction with a

- 4 -

spatially displayed medical image and performing image processing on said medical

image, said computer program comprising the steps of:

provdding a menu-less graphical interface having a plurality of sensitive

areas, each sensitive area is positioned at a predetermined, fixed relative position with

respect to an associated medical image display field and with respect to at least one

additional sensitive area, wherein each of the plurality of sensitive areas corresponds to at

least one function and is associated with one of a plurality of different cursors providing a

visual cue as to the at least one function corresponding to each of the plurality of sensitive

areas;

controlling a mouse configured such that positionings of said mouse

within each of said plurality of sensitive areas causes display of one of the plurality of

different cursors and allows activation and control of a plurality of inherent processing

functionalities for performing the at least one function respectively associated with each

of said plurality of sensitive areas; and

controlling outputting representations of said processing functionalities.

- 5 -